



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/579,864	05/25/2000	Brent C. Hawks	STL9-2000-0034US1	9641
47069 7590 08/06/2007 KONRAD RAYNES & VICTOR, LLP ATTN: IBM54 315 SOUTH BEVERLY DRIVE, SUITE 210 BEVERLY HILLS, CA 90212			EXAMINER MIRZA, ADNAN M	
			ART UNIT 2145	PAPER NUMBER
			MAIL DATE 08/06/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/579,864

Applicant(s)

HAWKS ET AL.

Examiner

Adnan M. Mirza

Art Unit

2145

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 May 2007.
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-30 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stedman et al (U.S. 6,081,837), Imai et al (U.S. 6,148,334) and Harvey et al (U.S. 6,519,568).

As per claims 1,2,15 Stedman disclosed a method providing information describing a file system connection between a local file system located on local system and a host file system located on a host system, said method comprising: encoding a local system data structure comprising at least one tag representing the local file system; encoding a host system data structure comprising at least one tag representing the host file system, and encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system, wherein the tags are in a meta language format, and wherein each tag has an identifier and a set of one or more attributes and wherein the encoded local system data structures, host system data structure, host system data structure, host system data structure, and mapping data structure forms a file system connection descriptor; and mapping

Art Unit: 2145

data structure forms a file system connection descriptor; and using the file system connection descriptor to access the host file indicated in the mapping data structure.

However Stedman did not disclose, "wherein the tags are in a meta language format, and wherein each tag has an identifier and a set of one or more attributes and wherein the encoded local system data structures, host system data structure, host system data structure, host system data structure, and mapping data structure forms a file system connection descriptor".

In the same field of endeavor Imai disclosed the description of the URL of the concatenated file is given in a form of being enclosed by a special tag called <PREFETCH ARCHIVE>. In such case, when the file requesting client requests the requested file and the requested file is received from the file server that requested file is displayed at the viewer of the file requesting client. In addition the viewer also detects the URL of the concatenated file which is enclosed by the special tag and described within the requested file and this concatenated file is requested to the file server (col. 15, lines 44-54). In a currently preferred architecture, the client computer is linked to the server computer by the Internet, or a -local area network, the server computer is linked to the host computer by an SNA network, and the host computer sends data to the server computer in a PS data stream. The server computer receives data from the host computer that represents a host computer display screen having function key capable fields and an associated partial list of items (col. 2, lines 55-63).

Art Unit: 2145

It would have been obvious to one having ordinary skill in the art at the time of the invention it was made to have incorporated the description of the URL of the concatenated file is given in a form of being enclosed by a special tag called <PREFETCH ARCHIVE>. In such case, when the file requesting client requests the requested file and the requested file is received from the file server that requested file is displayed at the viewer of the file requesting client. In addition the viewer also detects the URL of the concatenated file which is enclosed by the special tag and described within the requested file and this concatenated file is requested to the file server (col. 15, lines 44-54). In a currently preferred architecture, the client computer is linked to the server computer by the Internet, or a -local area network, the server computer is linked to the host computer by an SNA network, and the host computer sends data to the server computer in a PS data stream. The server computer receives data from the host computer that represents a host computer display screen having function key capable fields and an associated partial list of items as taught by Imai in the method of Stedman to reduce the latency by transferring multiple files immediately in response to a client's request while making connection to the network. Also by specifying the needed file for later while making connection to the network will result in increase productivity and reducing cost.

However Stedman-Imai did not disclosed, "to support remote editing of files in the host file system from the local file system".

In the same field of endeavor Harvey disclosed, "The converter application server provides digital data conversion including mapping between various file formats (DLIS, LIS, LAS, TIFF,

Art Unit: 2145

and the like) and data filtering (reducing the number of data channels is in a file to customer's specifications). The drop box application server manages the publications of files to the drop box web server, which is accessed by customers to retrieve data over the Internet (col. 19, lines 21-27).

It would have been obvious to one having ordinary skill in the art at time of the invention was made to have incorporated," The converter application server provides digital data conversion including mapping between various file formats (DLIS, LIS, LAS, TIFF, and the like) and data filtering (reducing the number of data channels is in a file to customer's specifications). The drop box application server manages the publications of files to the drop box web server, which is accessed by customers to retrieve data over the Internet as taught by Harvey in the method and system of Stedman-Imai to reduce the latency by transferring multiple files immediately in response to a client's request while making connection to the network. Also by specifying the needed file for later while making connection to the network will result in increase productivity and reducing cost.

8. As per claims 3,16 Stedman-Imai-Harvey wherein the mapping data structure comprises: a local file extension data structure storing a local file extension; a host file pattern data structure storing a pattern describing a host file to which the file extension will be applied (Imai, col. 22, lines 16-53); and a transfer type data structure storing a transfer type that defines how data will

Art Unit: 2145

be transferred between the host system and the local system for this mapping (Imai, col. 28, lines 38-65).

9. As per claims 4,22,29 Stedman-Imai-Harvey disclosed wherein the mapping data structure further comprises: a host code page data structure storing an identification of a host code page in which data in the host file is encoded; and a local-code page data structure storing an identification of a local code page in which data in a local file is encoded (Imai, col. 27, lines 23-53).

10. As per claims 5,11,18,23,26 Stedman-Imai-Harvey wherein the host system data structure comprises: a data structure storing an identification of the host system; a data structure storing an identification of a user of the host system (Imai, col. 22, lines 17-53); a data structure storing an identification of a preferred drive on the local system (Imai, col. 7, lines 45-57); and a data structure storing an indication that the preferred drive be automatically connected by default when a remote connection is established with the host system(Stedman, col. 19, lines 5-40).

11. As per claims 6,12,19,24,27 Stedman-Imai-Harvey disclosed wherein the host system data structure further comprises data storing an identification of a list of qualifier data structures, wherein each qualifier data structure stores a qualifier name, a name identifying directory on the host system (Imai, col. 7, lines 43-57), and an identification of the file attributes of a file located in the host system directory (Imai, col. 8, lines 40-64).

Art Unit: 2145

12. As per claims 7,13,20,25,30 Stedman-Imai-Harvey disclosed the file system connection descriptor encoded in a tagged meta language document comprising one or more tags, each tag having an identifier and a set of one or more attributes (Imai, col. 15, lines 40-57).

13. As per claims 8,14,21 Stedman-Imai-Harvey disclosed wherein the tagged meta language is Extensible Markup Language (XML) (Stedman, col. 19, lines 53-67).

14. As per claim 9 Stedman-Imai-Harvey disclosed wherein the mapping data structure comprises a local file extension data structure storing a local file extension; a host file pattern data structure storing a pattern describing a host file to which the local file extension will be applied.

15. As per claims 10,17,28 Stedman-Imai-Harvey disclosed wherein the mapping data structure further comprises a host codepage data structure storing an identification of a host codepage in which data in the host file is encoded; and a local-codepage data structure storing an identification of a local codepage in which data in a local file is encoded (Imai, col. 4, lines 29-42).

16. As per claim 20 Stedman-Imai-Harvey disclosed wherein the file system connection descriptor is encoded in a tagged meta language document comprising one or more tags, each having an identifier and a set of one or more attributes (Harvey, col. 22, lines col. 19, lines 59-67).

17. As per claims 22,25,28 Stedman-Imai-Harvey disclosed wherein a first transfer type indicates to transfer one file unmodified between the host file system and the local file system and wherein a second transfer type indicates to translate text in the file to transfer from the host files system to the local file system (Harvey, col. 22, lines 37-54).

18. As per claims 23,26,29 Stedman-Imai-Harvey disclosed wherein the first transfer type comprises a binary transfer type and wherein the second transfer type comprises a text transfer type (Stedman, col. 8, lines 34-49).

19. As per claims 24,27,30 Stedman-Imai-Harvey disclosed wherein a host and local code pages are used to translate text for the text transfer type (Stedman, col.7, lines 22-41).

Response to Arguments

20. Applicant's arguments filed 29/05/2007 have been fully considered but they are not persuasive. Response to applicant's arguments are as follows.

A. Applicant argued that prior art did not disclose in a network connection used for transferring a list of files wherein the network connection used for transferring a list of files wherein the network connection associated with a session ID identifying the network connection.

As to applicant's argument Imai disclosed after connection processing, between the file server and the file requesting client is completed, the file requesting client is now connected with the file server by the HTTP, and menu which is a list of files that can be provided by the file server is requested by a menu request. In response to the menu request, the file server transmits a menu to the file requesting client by a menu transmission. Here, the menu is given as home pages available at the file server or pages that can be reached by tracking links from those home pages (col. 8, lines 40-49).

B. Applicant argued that prior art did not disclose the file system connection descriptor.

As to applicant's argument Imai disclosed when user select the desired file from the menu, and a file list request for the selected file is sent to the file server. At the file server, when the file list

Art Unit: 2145

request from the file requesting client is received, the file list corresponding to the selected file is sent to the file requesting client by a file list transmission (col. 8, lines 49-54). One ordinary skill in the art at the time of the invention can interpret the "file system connection descriptor" as to file list that has the list of file ID's and its description.

C. Applicant argued that prior art did not disclose a mapping data structure representing a mapping between the local file system and the host file system.

As to applicants argument Imai disclosed for a case in which the multiple files transfer request unit for transferring for only those files which match with the transfer condition is provided in the file requesting client in advance, but this operation procedure is for a case in which the multiple files transfer request unit is not provided in the file requesting client from the beginning and its program is to be transferred from the file server to the file requesting client (col. 27, lines 23-41). One ordinary skill in the art at the time of the invention knows that mapping the in a file system is the same as matching or comparing the in the file system.

D. Applicant argued that prior art did not disclose a host file pattern data structure storing a pattern describing a host file to which the local file extension will be applied.

As to applicants argument Stedman disclosed the host extension retrieves field text, from a PS data stream transmitted from the host computer, preferably host extension retrieves the filed text by querying the display control and saving a local copy of the text (col. 9, lines 19-24).

E. Applicant argued that prior art did not disclose, "Encoding tag in a meta language format representing a local file system, a host file system, and a mapping representing a mapping between files in the local file system and files in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system".

As to applicant's argument Imai disclosed, "the description of the URL of the concatenated file is given in a form of being enclosed by a special tag called <PREFETCH ARCHIVE>. In such case, when the file requesting client requests the requested file and the requested file is received from the file server that requested file is displayed at the viewer of the file requesting client. In addition the viewer also detects the URL of the concatenated file which is enclosed by the special tag and described within the requested file and this concatenated file is requested to the file server (col. 15, lines 44-54)".

F. Applicant argued that prior art did not disclose, "a local file system data structure, host file system data structure, and mapping data structure comprising tags in a meta language format forms a file system connection".

As to applicants argument Imai disclosed the applet contained in a tag portion of this HTML file is activated and the processing for the file acquisition is carried out. More specifically, the URL of the concatenated file is described in the tag portion as an argument of the applet and this

Art Unit: 2145

concatenated file is requested to the file server and the concatenated file is received from the file server (col. 16, lines 18-24).

Conclusion

21. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

22. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

Art Unit: 2145

23. The examiner can normally be reached on Monday to Friday during normal business hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-746-7239. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

24. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

Am

Adnan Mirza

Examiner


JASON CARDONE
SUPERVISORY PATENT EXAMINER